JOURNAL OF
Neurobiology

Volume Contents

Volume 41, No. 1, October 1999

Special Issue
DEVELOPMENTAL PLASTICITY IN NEOCORTEX

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Cover: Optically imaged orientation preference maps in V1 of a normal (upper row) and a binocularly deprived (lower row) cat on the left and the respective video images of the recorded cortical regions on the right. Note the loss of a structured and well tuned orientation map in the vision deprived animal. See the article by Schmidt, Galuske, and Singer, pages 10–17 of this issue.

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Cover: A wild male Lapland longspur (*Calcarius lapponicus*) in arctic Alaska. These birds show rapid changes in territorial behavior that may be regulated by changes in aromatase activity in the brain. The aromatase enzyme catalyzes the conversion of androgens to estrogens. See the article by Kiran K. Soma, Reba K. Bindra, Jennifer Gee, John Wingfield, and Barney A. Schlinger, pages 176–188 of this issue.

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Cover: Under favorable conditions, *Haplochromis burtoni* can grow so quickly that a newly hatched fry (14 days old, TOP) could fit in the eye of a one year old male (BOTTOM). Throughout this rapid growth the visual system continues to function without compromise. Photo by R. Fernald. See the article by Zygar, Lee, and Fernald, pages 425–442, of this issue.

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